

Biological material comprising an efficacious cell culture and a biocompatible and biodegradable three-dimensional matrix consisting of a hyaluronic acid derivative

ABSTRACT

- 5 The present invention relates to a biological material comprising a matrix consisting of at least one derivative of hyaluronic acid on which endothelial cells, glandular cells such as islets of Langerhans and liver cells, skin adnexa, germinative cells of hair bulbs, and keratinocytes are grown, optionally in presence of a medium treated with fibroblasts or in a co-culture with fibroblasts. It
- 10 is also described the process for the production of said biologic material and its use for human and veterinary use, in cardiovascular and oncological surgery, in transplants, to enhance the biological process of tissue vascularization and for aesthetic use, and also for the screening of medicaments or toxic substances and as a support gene transfection.
- 15 Biological material comprising an efficacious cell culture and a biocompatible and biodegradable three-dimensional matrix consisting of a hyaluronic acid derivative.